

J Roy Sambles

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

391
papers

12,170
citations

51
h-index

98
g-index

408
ext. papers

13,223
ext. citations

3.8
avg, IF

6.34
L-index

#	Paper	IF	Citations
391	Slow waves on long helices.. <i>Scientific Reports</i> , 2022 , 12, 1902	4.9	0
390	Superscattering and Directive Antennas via Mode Superposition in Subwavelength Core-Shell Meta-Atoms. <i>Photonics</i> , 2022 , 9, 6	2.2	1
389	Slow acoustic surface modes through the use of hidden geometry. <i>Scientific Reports</i> , 2021 , 11, 22010	4.9	0
388	Dark Mode Excitation in Three-Dimensional Interlaced Metallic Meshes. <i>ACS Photonics</i> , 2021 , 8, 841-846	6.3	2
387	Surface wave reflection from a metasurface termination. <i>Scientific Reports</i> , 2021 , 11, 12054	4.9	0
386	Multiband superbackscattering via mode superposition in a single dielectric particle. <i>Applied Physics Letters</i> , 2021 , 118, 251107	3.4	1
385	Near-field electromagnetic coupling between helices. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 445108	3.9	0
384	Microwave Superdirectivity with Dimers of Helical Elements. <i>Physical Review Applied</i> , 2020 , 13,	4.3	2
383	3D-printed Metasurfaces of Capped Helices Providing Broadband Negative Mode Index 2020 ,		1
382	Coupled edge modes supported by a microwave metasurface. <i>Optics Letters</i> , 2020 , 45, 1778-1781	3	0
381	Strong, omnidirectional radar backscatter from subwavelength, 3D printed metacubes. <i>IET Microwaves, Antennas and Propagation</i> , 2020 , 14, 1862-1868	1.6	3
380	Extraordinary Transmission and Radiation From Finite by Infinite Arrays of Slots. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 581-586	4.9	1
379	Metasurface bilayer for slow microwave surface waves. <i>Physical Review B</i> , 2019 , 100,	3.3	2
378	The waveguiding of sound using lines of resonant holes. <i>Scientific Reports</i> , 2019 , 9, 11508	4.9	3
377	Broadband, slow sound on a glide-symmetric meander-channel surface. <i>Journal of the Acoustical Society of America</i> , 2019 , 145, 3190	2.2	6
376	Experimental characterisation of the bound acoustic surface modes supported by honeycomb and hexagonal hole arrays. <i>Scientific Reports</i> , 2019 , 9, 15773	4.9	1
375	Underwater acoustic surface waves on a periodically perforated metal plate. <i>Journal of the Acoustical Society of America</i> , 2019 , 146, 4569	2.2	2

374	A Broadband Stripline Technique for Characterizing Relative Permittivity and Permeability. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 231-238	4.1	4
373	Covert Images Using Surface Plasmon-Mediated Optical Polarization Conversion. <i>Advanced Optical Materials</i> , 2018 , 6, 1700843	8.1	10
372	Mimicking graphene physics with a plane hexagonal wire mesh. <i>Applied Physics Letters</i> , 2018 , 112, 191603.4	3.4	1
371	Isotropic Backward Waves Supported by a Spiral Array Metasurface. <i>Scientific Reports</i> , 2018 , 8, 7098	4.9	1
370	The acoustic phase resonances and surface waves supported by a compound rigid grating. <i>Scientific Reports</i> , 2018 , 8, 10701	4.9	2
369	Strong beaming of microwave surface waves with complementary split-ring-resonator arrays. <i>Scientific Reports</i> , 2018 , 8, 12102	4.9	4
368	Microwave edge modes on a metasurface with glide symmetry. <i>Physical Review B</i> , 2018 , 98,	3.3	8
367	Thin structured rigid body for acoustic absorption. <i>Applied Physics Letters</i> , 2017 , 110, 041902	3.4	17
366	Mimicking glide symmetry dispersion with coupled slot metasurfaces. <i>Applied Physics Letters</i> , 2017 , 111, 121603	3.4	25
365	Theoretical and experimental exploration of finite sample size effects on the propagation of surface waves supported by slot arrays. <i>Physical Review B</i> , 2017 , 95,	3.3	10
364	A broadband metasurface Luneburg lens for microwave surface waves. <i>Applied Physics Letters</i> , 2017 , 111, 211603	3.4	15
363	Gapless states in microwave artificial graphene. <i>Applied Physics Letters</i> , 2017 , 110, 261605	3.4	7
362	Designer surface plasmon dispersion on a one-dimensional periodic slot metasurface with glide symmetry. <i>Optics Letters</i> , 2017 , 42, 3375-3378	3	34
361	On the extraordinary optical transmission in parallel plate waveguides for non-TEM modes. <i>Optics Express</i> , 2017 , 25, 24670-24677	3.3	5
360	Topological modes in one-dimensional solids and photonic crystals. <i>Physical Review B</i> , 2016 , 93,	3.3	7
359	Acoustic transmission through compound subwavelength slit arrays. <i>Physical Review B</i> , 2016 , 94,	3.3	9
358	Omnidirectional surface wave cloak using an isotropic homogeneous dielectric coating. <i>Scientific Reports</i> , 2016 , 6, 30984	4.9	9
357	Resonantly induced transparency for metals with low angular dependence. <i>Applied Physics Letters</i> , 2016 , 109, 241601	3.4	1

356	Direct observation of negative-index microwave surface waves. <i>Scientific Reports</i> , 2016 , 6, 22018	4.9	14
355	Fluid mobility over corrugated surfaces in the Stokes regime. <i>Physics of Fluids</i> , 2016 , 28, 083101	4.4	2
354	Broadband metasurface for surface wave lenses 2016 ,		2
353	Polarization conversion from a thin cavity array in the microwave regime. <i>Scientific Reports</i> , 2015 , 5, 9366	4.9	25
352	Surface plasmons at the Brillouin zone boundary of an oblique lattice. <i>Applied Physics Letters</i> , 2015 , 106, 091106	3.4	3
351	Boundary-Layer Effects on Acoustic Transmission Through Narrow Slit Cavities. <i>Physical Review Letters</i> , 2015 , 115, 044302	7.4	65
350	The Effect of Rotational Disorder on the Microwave Transmission of Checkerboard Metal Square Arrays. <i>Scientific Reports</i> , 2015 , 5, 16608	4.9	8
349	Independently controlling permittivity and diamagnetism in broadband, low-loss, isotropic metamaterials at microwave frequencies. <i>Applied Physics Letters</i> , 2015 , 106, 101908	3.4	5
348	Optics. Structured photons take it slow. <i>Science</i> , 2015 , 347, 828	33.3	5
347	An acoustic double fishnet using Helmholtz resonators. <i>Journal of the Acoustical Society of America</i> , 2014 , 136, 980	2.2	8
346	Physical Investigations of Biaxial Nematic Liquid Crystals 2014 , 1-34		
345	Broadband impedance-matched electromagnetic structured ferrite composite in the megahertz range. <i>Applied Physics Letters</i> , 2014 , 104, 221905	3.4	3
344	Microwave Transmission Through an Array of Ring Slots in a Metal Sheet Capped With Concentric Metal Rings. <i>IEEE Transactions on Antennas and Propagation</i> , 2013 , 61, 458-461	4.9	4
343	Thin metamaterial Luneburg lens for surface waves. <i>Physical Review B</i> , 2013 , 87,	3.3	64
342	Resonantly overcoming metal opacity. <i>Applied Physics Letters</i> , 2013 , 102, 011120	3.4	6
341	Broadband and low loss high refractive index metamaterials in the microwave regime. <i>Applied Physics Letters</i> , 2013 , 102, 091108	3.4	9
340	Control of the stop band of an acoustic double fishnet. <i>Journal of the Acoustical Society of America</i> , 2013 , 134, 1754-9	2.2	4
339	Direct mapping of surface plasmon dispersion using imaging scatterometry. <i>Applied Physics Letters</i> , 2013 , 102, 251107	3.4	12

338	Heavily loaded ferrite-polymer composites to produce high refractive index materials at centimetre wavelengths. <i>APL Materials</i> , 2013 , 1, 042108	5.7	8
337	Electromagnetic response of closely spaced metal meshes. <i>Physical Review B</i> , 2012 , 86,	3.3	2
336	Surface waves at microwave frequencies excited on a zigzag metasurface. <i>Physical Review B</i> , 2012 , 86,	3.3	6
335	Microwave resonances of ultrathin hexagonally symmetric microcavity arrays. <i>Journal of Applied Physics</i> , 2012 , 112, 014904	2.5	4
334	Low acoustic transmittance through a holey structure. <i>Physical Review B</i> , 2012 , 85,	3.3	16
333	Surface plasmons on zig-zag gratings. <i>Optics Express</i> , 2012 , 20, 23921-6	3.3	6
332	Surface wave resonances supported on a square array of square metallic pillars. <i>Applied Physics Letters</i> , 2012 , 100, 101107	3.4	19
331	Characterizing Two Methods for Achieving Intermediate Surface Pretilt. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 553, 81-89	0.5	3
330	Resonant microwave transmission from a double layer of subwavelength metal square arrays: Evanescent handedness. <i>Physical Review B</i> , 2012 , 86,	3.3	2
329	Metamaterial tunnel barrier gives broadband microwave transmission. <i>Journal of Applied Physics</i> , 2011 , 109, 013104	2.5	10
328	Multi-modal transmission of microwaves through hole arrays. <i>Optics Express</i> , 2011 , 19, 13793-805	3.3	4
327	MICROWAVE TRANSMISSION OF A HEXAGONAL ARRAY OF TRIANGULAR METAL PATCHES. <i>Progress in Electromagnetics Research M</i> , 2011 , 20, 219-229	0.6	3
326	Structurally dictated anisotropic Designer surface plasmons. <i>Applied Physics Letters</i> , 2011 , 99, 181107	3.4	5
325	Otto coupling to a transverse-electric-polarized mode on a metamaterial surface. <i>Physical Review B</i> , 2011 , 84,	3.3	4
324	Small surface pretilt strikingly affects the director profile during Poiseuille flow of a nematic liquid crystal. <i>Physical Review Letters</i> , 2010 , 104, 248301	7.4	15
323	Babinet's principle and the band structure of surface waves on patterned metal arrays. <i>Journal of Applied Physics</i> , 2010 , 107, 103108	2.5	9
322	Resonantly inverted microwave transmissivity threshold of metal grids. <i>New Journal of Physics</i> , 2010 , 12, 063007	2.9	12
321	Microwave response of hole and patch arrays. <i>Physical Review B</i> , 2010 , 82,	3.3	2

320	Microwave transmission through a metal capped array of holes in a metal sheet. <i>Optics Express</i> , 2010 , 18, 23916-23	3.3	2
319	Surface-plasmon voltammetry using a gold grating. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 385301	3	1
318	Flow-driven transition and associated velocity profiles in a nematic liquid-crystal cell. <i>Physical Review E</i> , 2009 , 80, 041706	2.4	27
317	Phase resonances on metal gratings of identical, equally spaced alternately tapered slits. <i>Applied Physics Letters</i> , 2009 , 95, 041905	3.4	21
316	Otto-coupled surface plasmons in a liquid crystal cell. <i>Applied Physics Letters</i> , 2009 , 95, 171102	3.4	4
315	Microwave transmissivity of a metamaterial dielectric stack. <i>Applied Physics Letters</i> , 2009 , 95, 174101	3.4	12
314	Thin resonant structures for angle and polarization independent microwave absorption. <i>Applied Physics Letters</i> , 2009 , 94, 041913	3.4	34
313	Analysis of the sign-dependent switching observed in a hybrid aligned nematic cell. <i>New Journal of Physics</i> , 2009 , 11, 013045	2.9	2
312	Dual-channel differential surface plasmon ellipsometry for bio-chemical sensing. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 411-7	11.8	20
311	Anomalous uniform domain in a twisted nematic cell constructed from micropatterned surfaces. <i>Liquid Crystals</i> , 2009 , 36, 353-358	2.3	7
310	Electromagnetic resonances of a multilayer metal-dielectric stack. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 734	1.7	16
309	Surface plasmon polaritons on deep, narrow-ridged rectangular gratings. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 1228	1.7	17
308	Localized surface-plasmon resonances and negative refractive index in nanostructured electromagnetic metamaterials. <i>Physical Review B</i> , 2009 , 80,	3.3	37
307	Microwave surface-plasmon-like modes on thin metamaterials. <i>Physical Review Letters</i> , 2009 , 102, 073901	1.4	123
306	Localized surface-plasmon resonances in periodic nondiffracting metallic nanoparticle and nanohole arrays. <i>Physical Review B</i> , 2009 , 79,	3.3	103
305	Conoscopic observation of director reorientation during Poiseuille flow of a nematic liquid crystal. <i>Applied Physics Letters</i> , 2009 , 95, 171114	3.4	10
304	Surface plasmon mediated transmission of subwavelength slits at THz frequencies. <i>Physical Review B</i> , 2008 , 77,	3.3	50
303	Resonant Absorption of THz Radiation Using Nematic Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 494, 320-327	0.5	12

302	Tuneable Fabry-Pérot etalon for terahertz radiation. <i>New Journal of Physics</i> , 2008 , 10, 033012	2.9	34
301	The transverse magnetic reflectivity minimum of metals. <i>Optics Express</i> , 2008 , 16, 7580-6	3.3	6
300	Some considerations on the transmissivity of thin metal films. <i>Optics Express</i> , 2008 , 16, 17249-57	3.3	17
299	Prism coupling to 'designer' surface plasmons. <i>Optics Express</i> , 2008 , 16, 20441-7	3.3	30
298	Optical resonances on sub-wavelength silver lamellar gratings. <i>Optics Express</i> , 2008 , 16, 22003-28	3.3	17
297	Importance of diffraction in determining the dispersion of designer surface plasmons. <i>Physical Review B</i> , 2008 , 78,	3.3	47
296	Localised modes of sub-wavelength hole arrays in thin metal films 2008 ,		1
295	Coupled surface plasmons on thin silver gratings. <i>Journal of Optics</i> , 2008 , 10, 015007		15
294	Enhanced confocal microscopy imaging of the in-plane switching of cholesteric liquid crystal cells 2008 ,		2
293	Surface plasmon differential ellipsometry of aqueous solutions for bio-chemical sensing. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 105408	3	20
292	Time-resolved sign-dependent switching in a hybrid aligned nematic liquid crystal cell. <i>New Journal of Physics</i> , 2008 , 10, 083045	2.9	1
291	Voltage dependent director of a homeotropic negative liquid crystal cell. <i>Applied Physics Letters</i> , 2008 , 93, 031909	3.4	5
290	Angle-independent microwave absorption by ultrathin microcavity arrays. <i>Journal of Applied Physics</i> , 2008 , 104, 043105	2.5	17
289	Exploration of the surface director profile in a liquid crystal cell using coupling between the surface plasmon and half-leaky optical guided modes. <i>Applied Physics Letters</i> , 2008 , 92, 151103	3.4	3
288	Strongly coupled surface plasmons on thin shallow metallic gratings. <i>Physical Review B</i> , 2008 , 77,	3.3	34
287	Optical imaging of the effect of in-plane fields on cholesteric liquid crystals. <i>Physical Review E</i> , 2008 , 78, 012701	2.4	9
286	Optical anisotropy and liquid-crystal alignment properties of rubbed polyimide layers. <i>Liquid Crystals</i> , 2007 , 34, 1433-1441	2.3	12
285	Photonic bandgaps for grating-coupled waveguide modes with a silver tunnel barrier. <i>New Journal of Physics</i> , 2007 , 9, 251-251	2.9	6

284	Coupled surface plasmons and optical guided wave exploration of near-surface director profile. <i>New Journal of Physics</i> , 2007 , 9, 49-49	2.9	2
283	Measurement of Azimuthal Backflow in a Dual-Frequency Chiral HAN Cell. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 477, 57-65	0.5	5
282	Slow waves caused by cuts perpendicular to a single subwavelength slit in metal. <i>New Journal of Physics</i> , 2007 , 9, 1-1	2.9	244
281	Determination of the director profile in a nematic cell from guided wave data: an inverse problem. <i>New Journal of Physics</i> , 2007 , 9, 166-166	2.9	6
280	Resonant transmission of microwaves through a hexagonal array of holes in a thin metal layer. <i>New Journal of Physics</i> , 2007 , 9, 101-101	2.9	3
279	Transmission of microwaves through a stepped subwavelength slit. <i>Applied Physics Letters</i> , 2007 , 91, 251106	3.4	27
278	Numerical Simulation of a Twisted Nematic Cell Constructed From Micropatterned Substrates. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 475, 3-11	0.5	3
277	Dynamic control of visible radiation by a liquid crystal filled Fabry-Pérot etalon. <i>Journal of Applied Physics</i> , 2007 , 102, 093108	2.5	3
276	Enhanced microwave transmission through a patterned metal film. <i>Applied Physics Letters</i> , 2007 , 90, 223506	3.4	7
275	Coupled surface-plasmon-like modes between metamaterial. <i>Physical Review B</i> , 2007 , 76,	3.3	9
274	Grating-coupled surface plasmon polaritons and waveguide modes in a silver-dielectric-silver structure. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2007 , 24, 3547-53	1.8	9
273	Complex permittivities of a nematic liquid crystal in a hybrid-aligned cell. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 527	1.7	4
272	Polarization rotator using a hybrid aligned nematic liquid crystal cell. <i>Optics Express</i> , 2007 , 15, 4192-7	3.3	20
271	The optical response of single-interface and thin slab dielectric gratings. <i>Journal of Optics</i> , 2006 , 8, S250-S263		
270	Orientalional transition in a nematic liquid crystal at a patterned surface. <i>Physical Review E</i> , 2006 , 74, 022701	2.4	29
269	Dynamic response of a dual-frequency chiral hybrid aligned nematic liquid-crystal cell. <i>Physical Review E</i> , 2006 , 73, 011706	2.4	10
268	Low dispersion surface plasmon-polaritons on deep silver gratings. <i>Journal of Modern Optics</i> , 2006 , 53, 1569-1576	1.1	7
267	The resonant electromagnetic fields of an array of metallic slits acting as Fabry-Perot cavities. <i>Journal of Applied Physics</i> , 2006 , 99, 124903	2.5	70

266	One-way diffraction grating. <i>Physical Review E</i> , 2006 , 74, 056611	2.4	55
265	New directions in liquid crystal science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2567-71	3	18
264	Resonant absorption of electromagnetic fields by surface plasmons buried in a multilayered plasmonic nanostructure. <i>Physical Review B</i> , 2006 , 74,	3.3	55
263	Waveguide arrays as plasmonic metamaterials: transmission below cutoff. <i>Physical Review Letters</i> , 2006 , 96, 073904	7.4	59
262	Microwave transmission of a compound metal grating. <i>Physical Review Letters</i> , 2006 , 96, 257402	7.4	58
261	Metal slits and liquid crystals at microwave frequencies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 2733-46	3	9
260	Making tunnel barriers (including metals) transparent. <i>Physical Review Letters</i> , 2006 , 97, 053902	7.4	66
259	Experimental verification of designer surface plasmons. <i>Science</i> , 2005 , 308, 670-2	33.3	611
258	Leaky-wave exploration of two-stage switch-on in a nematic pi-cell. <i>Applied Physics Letters</i> , 2005 , 86, 052502	3.4	7
257	Optical characterization of a dual-frequency hybrid aligned nematic liquid crystal cell. <i>Optics Express</i> , 2005 , 13, 2627-33	3.3	12
256	Enhanced microwave transmission through a single subwavelength aperture surrounded by concentric grooves. <i>Journal of Optics</i> , 2005 , 7, S152-S158		32
255	Resonant transmission of microwaves through a finite length subwavelength metallic slit. <i>New Journal of Physics</i> , 2005 , 7, 250-250	2.9	6
254	Rapid switching in a dual-frequency hybrid aligned nematic liquid crystal cell. <i>Applied Physics Letters</i> , 2005 , 87, 021106	3.4	25
253	Microwave transmission through a single subwavelength annular aperture in a metal plate. <i>Physical Review Letters</i> , 2005 , 94, 193902	7.4	34
252	Low angular-dispersion microwave absorption of a metal dual-period nondiffracting hexagonal grating. <i>Applied Physics Letters</i> , 2005 , 86, 184103	3.4	9
251	Remarkable zeroth-order resonant transmission of microwaves through a single subwavelength metal slit. <i>Physical Review Letters</i> , 2005 , 95, 187407	7.4	12
250	Delay effect of switch-on in a supertwisted nematic cell. <i>Applied Physics Letters</i> , 2004 , 85, 5070-5072	3.4	
249	Broad-band polarization conversion from a finite periodic structure in the microwave regime. <i>Applied Physics Letters</i> , 2004 , 84, 849-851	3.4	12

248	Microwave liquid-crystal variable phase grating. <i>Applied Physics Letters</i> , 2004 , 85, 2041-2043	3.4	25
247	Dynamical process of switch-off in a supertwisted nematic cell. <i>Journal of Applied Physics</i> , 2004 , 96, 310-315		4
246	Sensing using differential surface plasmon ellipsometry. <i>Journal of Applied Physics</i> , 2004 , 96, 3004-3011	2.5	32
245	Remarkable iridescence in the hindwings of the damselfly <i>Neurobasis chinensis chinensis</i> (Linnaeus) (Zygoptera: Calopterygidae). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004 , 271, 595-601	4.4	54
244	Optical waveguide characterization of a tristable antiferroelectric liquid crystal cell. <i>Journal of Applied Physics</i> , 2004 , 95, 2246-2249	2.5	5
243	Observation of Switching in Tri-Stable Antiferroelectric Cells. <i>Ferroelectrics</i> , 2004 , 310, 79-84	0.6	
242	Observation of backflow in the switch-on dynamics of a hybrid aligned nematic. <i>Applied Physics Letters</i> , 2004 , 84, 46-48	3.4	13
241	Surface-topography-induced enhanced transmission and directivity of microwave radiation through a subwavelength circular metal aperture. <i>Applied Physics Letters</i> , 2004 , 84, 2040-2042	3.4	91
240	Squeezing millimeter waves into microns. <i>Physical Review Letters</i> , 2004 , 92, 143904	7.4	89
239	Finite conductance governs the resonance transmission of thin metal slits at microwave frequencies. <i>Physical Review Letters</i> , 2004 , 92, 147401	7.4	98
238	Differential ellipsometric surface plasmon resonance sensors with liquid crystal polarization modulators. <i>Applied Physics Letters</i> , 2004 , 85, 3017-3019	3.4	32
237	Coupled surface plasmon polaritons on thin metal slabs corrugated on both surfaces. <i>Physical Review B</i> , 2004 , 70,	3.3	68
236	Natural Grain Boundaries Over 3 Orders of Magnitude: Atomic vs. Bio-Photonic (Poly-) Crystals Examined by TEM.. <i>Microscopy and Microanalysis</i> , 2004 , 10, 4-5	0.5	3
235	FULLY-LEAKY GUIDED MODE MEASUREMENT OF THE FLEXOELECTRIC CONSTANT ($\epsilon_{11}+\epsilon_{33}$) OF A NEMATIC LIQUID CRYSTAL. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 401, 67-73	0.5	11
234	Photonic structures in biology. <i>Nature</i> , 2003 , 424, 852-5	50.4	1442
233	Surface plasmon polaritons on narrow-ridged short-pitch metal gratings in the conical mount. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003 , 20, 836-43	1.8	27
232	Light scattering by microscopic spheres behind a glass-air interface. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003 , 20, 1589-94	1.8	7
231	Light emission from whispering-gallery modes in microscopic spheres. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2003 , 20, 1785-91	1.8	4

230	Self-organized periodic photonic structure in a nonchiral liquid crystal. <i>Physical Review Letters</i> , 2003 , 91, 033901	7.4	26
229	Reply to Comment on Optical determination of flexoelectric coefficients and surface polarization in a hybrid aligned nematic cell. <i>Physical Review E</i> , 2003 , 68,	2.4	8
228	Surface plasmon polaritons on thin-slab metal gratings. <i>Physical Review B</i> , 2003 , 67,	3.3	51
227	Theory of nematic-mesectic phase separation in thin twisted liquid crystal cells. <i>Liquid Crystals</i> , 2003 , 30, 823-830	2.3	2
226	Backflow in the relaxation of a hybrid aligned nematic cell. <i>Applied Physics Letters</i> , 2003 , 82, 3156-3158	3.4	16
225	Surface-plasmon-enhanced light scattering from microscopic spheres. <i>Applied Physics Letters</i> , 2003 , 83, 3006-3008	3.4	10
224	Low angular-dispersion microwave absorption of a dual-pitch nondiffracting metal bigrating. <i>Applied Physics Letters</i> , 2003 , 83, 806-808	3.4	7
223	Flow-induced twist-compression in a twisted nematic cell. <i>Physical Review Letters</i> , 2003 , 90, 168701	7.4	7
222	Fully leaky guided mode study of the flexoelectric effect and surface polarization in hybrid aligned nematic cells. <i>Journal of Applied Physics</i> , 2002 , 92, 19-24	2.5	53
221	Fully leaky guided mode study of an orthoconic antiferroelectric liquid crystal cell deviating from perfect horizontal surface stabilization. <i>Journal of Applied Physics</i> , 2002 , 91, 9667	2.5	15
220	Direct optical quantification of backflow in a 90 degrees twisted nematic cell. <i>Physical Review Letters</i> , 2002 , 88, 088301	7.4	16
219	Surface plasmon polaritons on narrow-ridged short-pitch metal gratings. <i>Physical Review B</i> , 2002 , 66,	3.3	22
218	Molecular rectification at 8 K in an Au/C16H33Q-3CNQ LB film/ Au structure. <i>Applied Physics Letters</i> , 2002 , 81, 2300-2302	3.4	39
217	Fully leaky guided wave determination of the original alignment direction for the directors at the walls in a twisted nematic liquid crystal cell. <i>Journal of Applied Physics</i> , 2002 , 92, 1744-1751	2.5	4
216	Limited-view iridescence in the butterfly <i>Ancyluris meliboeus</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 7-14	4.4	59
215	A liquid crystal microwave wavelength selector. <i>Liquid Crystals Today</i> , 2002 , 11, 1-2	1.9	2
214	Dispersion of surface plasmon polaritons on short-pitch metal gratings. <i>Physical Review B</i> , 2002 , 65,	3.3	71
213	Surface plasmon-related resonances on deep and asymmetric gold gratings. <i>Physical Review B</i> , 2002 , 65,	3.3	32

212	Broadband polarization-converting mirror for the visible region of the spectrum. <i>Optics Letters</i> , 2002 , 27, 2152-4	3	36
211	Relations between the critical angles and the optical tensor of a biaxial material. <i>Applied Optics</i> , 2002 , 41, 7264-74	1.7	2
210	Determination of the microwave permittivities of nematic liquid crystals using a single-metallic slit technique. <i>Applied Physics Letters</i> , 2002 , 81, 2047-2049	3.4	31
209	Gratingless enhanced microwave transmission through a subwavelength aperture in a thick metal plate. <i>Applied Physics Letters</i> , 2002 , 81, 4661-4663	3.4	94
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